


Amendments to the claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (currently amended) An apparatus for controlling a door by a mobile radio communication system, comprising:

 a transmitting device including a power switch (PSW1) for supplying power, a voltage regulator (110) for maintaining a constant voltage when said power is turned on by the switch (PSW1), a receiver (120) for detecting DTMF signals created in response to user manipulation of buttons on the transmitting device, and a signal generator (130) capable of for generating, in response to the detected DTMF signals, control signals to unlock at a remote place a door-locking device provided for a door, said door having a locking device;

a mobile radio communication terminal connected to said transmitting device through a wire for converting said control signals ~~generated through said transmitting device~~ into wireless signals for delivery; and

a receiving device installed within a door locking device of said door, including a door lock control means (410) for receiving the wireless signals and analyzing said wireless signals so as to generate relay control signals through a port (RAO) according to data obtained from said processing, a switching element (Q1) for carrying out switching operations according to the relay control signals output from said door lock control means (410), and a relay (RL1) for supplying power to a motor and unlocking the door when said switching element (Q1) is turned on for receiving and analyzing said wireless signals delivered by said mobile radio communication terminal and for automatically controlling a motor and unlocking the door if the analyzed signals are door-unlocking signals.

2-3. canceled